This Page Is Inserted by IFW Operations and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.

PTO/SB/53 (05-03)
Approved for use through 01/31/2004. OMB 0551-0033
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

collection of information unless it displays: a valid OMB control number. Docket Number (Optional) REISSUE APPLICATION: CONSENT OF ASSIGNEE; STATEMENT OF NON-ASSIGNMENT H17091÷01÷-1622 This is part of the application for a reissue patent based on the original patent identified below. Name of Patentee(s) Lawrence P. Davis and Tristam T. Hyde Patent Number Date Patent Issued 6,340,137 January 22, 2002 Title of Invention Moment Control Unit For Spacecraft Attitude Control Filed herein is a statement under 37 CFR 3.73(b). (Form PTO/SB/96) Ownership of the patent is in the inventor(s), and no assignment of the patent is in effect. One of boxes 1 or 2 above must be checked. If multiple assignees, complete this form for each assignee. If box 2 is checked, skip the next entry and go directly to "Name of Assignee". The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue. The assignee(s) owning an undivided interest in said original patent is/are Honeywell International Inc. and the assignee(s) consents to the accompanying application for reissue. Name of assignee/inventor (if not assigned) Honeywell International; Inc. Signature Date 20 Jan 04 Typed or printed name and title of person signing for assignee (if assigned) Miriam Jackson Assistant Secretary

This collection of information is required by 37 CFR 1.172. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. TO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTC/SB/96 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMEN	T UNDER 37 CFR 3.73(b)
Applicant/Patent Owner: Honeywell International, Inc.	
Application No./Patent No.: 6.340,137 Fi	led/issue Date: January 22, 2002
Entitled: Moment Control Unit for Spacecraft Attitude Cont	rol
Honeywell International, Inc. , a	corporation
(Name of Assignee)	(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)
states that it is: 1.	or .
2. an assignee of less than the entire right, title and i The extent (by percentage) of its ownership intere in the patent application/patent identified above by virtue.	st is%
A. [r] An assignment from the inventor(s) of the patent a in the United States Patent and Trademark Office attached.	application/patent identified above. The assignment was recorded at Reel 009416, Frame 0463, or for which a copy thereof is
OR	
B. [] A chain of title from the inventor(s), of the patent a below:	pplication/patent identified above, to the current assignee as shown
1. From:	— To:
The document was recorded in the United Reel, Frame	States Patent and Trademark Office at or for which a copy thereof is attached.
2. From:	To:
The document was recorded in the United Reel, Frame	States Patent and Trademark Office at , or for which a copy thereof is attached.
3. From:	To:
The document was recorded in the United Reel Frame	States Patent and Trademark Office at, or for which a copy thereof is attached.
[] Additional documents in the chain of title ar	e listed on a supplemental sheet.
[] Copies of assignments or other documents in the ch. [NOTE: A separate copy (i.e., the original assignme must be submitted to Assignment Division in accord recorded in the records of the USPTO. See MPEP 3	nt document or a true copy of the original document) ance with 37 CFR Part 3, if the assignment is to be
The undersigned (whose title is supplied below) is autho	rized to act on behalf of the assignee.
20Jan 04	Miriam Jackson
Date	
602-436-2909	Typed or printed name MMaSalPSD
Telephone number	Signature
	Assistant Secretary
	Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/51 (07-03)
Approved for use through 01/31/2004. OMB 0651-0033
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| Decket Number (Ontional)

REISSUE APPLICATION DECLARATION BY THE INVENTOR	H17091-011622
I hereby declare that: Each inventor's residence, mailing address and citizenship are stated below to be lieve the inventors named below to be the original and first inventor(s) of in patent number6,340,137, grantedIanuareissue patent is sought on the invention entitled Moment Control Unit	the subject matter which is described and claimed ary 22, 2002 and for which a transfer spacecraft,
is attached hereto.	
was filed on as reissue application number	per
and was amended on (If applicable)	
I have reviewed and understand the contents of the above-identified specifical amendment referred to above. I acknowledge the duty to disclose information which is material to patentability.	
I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or equivalent) listing the foreign applications.	or 365(b). Attached is form PTO/SB/02B (or
I verily believe the original patent to be wholly or partly inoperative or invalid, below. (Check all boxes that apply.)	for the reasons described
by reason of a defective specification or drawing.	
by reason of the patentee claiming more or less than he had the right to	claim in the patent.
by reason of other errors.	
At least one error upon which reissue is based is described below. If the reiss reissue, such must be stated with an explanation as to the nature of the broad	

۲?

[Page 1 of 2]

This collection of information is required by 37 CFR 1.175. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/51 (07-03)
Approved for use through 01/31/2004, OMB 0651-0033
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduct	ion Act of 1995, no pe	rsons are required	to respond to	a collection of	itsmoini ic	on unless il d	isplays a	valid OA	B control number
(REISSUE APPLICATION I					•		locket I	Vumbe	r (Optional) -01162
All errors corrected in this re	eissue application	arose without	any decep	tive intent	ion on th	e part of the	ne appl	icant.	
Note: To appoint a power of	attorney, use for	m PTO/SB/81				. •		ŕ	
Correspondence Address: D	Direct all commur	ications about	the applica	ation to:				:	
1. —	· · · · · · · · · · · · · · · · · · ·								
Customer Number:	000128		•						
OR —			· · · · .	 -					
Firm or		 	··-			<u> </u>	:		
Individual Name		·			٠.				
Address	:				•	•		•	:
Address	• • • •	• • • • • •		· :		:	·		
0.4	· · · · · · · · · · · · · · · · · · ·			12	, -	<u> </u>	•		<u> </u>
City				State				Zip	
Country			• •		•				
Telephone	:	• • •		Fax	Ī	•		•	
statements and the like so m false statements may jeopa declaration is directed. Full name of sole or first inve Lawrence P. Davis	ardize the validit	y of the appli	ication, and	patent i	th, under ssuing t	r 18 U.S.C hereon, or	1001, rany p	and the	at such willful to which this
Inventor's signature	PI		Date		20	local	.		·
Residence	· · · ·	us .	Citizer	nship	/		<u> </u>		 -
1120 W. Aster Dr.		:	USA						
Mailing Address			• • • • • •			•	·	•	
1120 W. Aster Dr.	Phoenix AZ	85029			·				· .
Full name of second joint invention Tristam T. Hyde	entor (given nam	e, family name	:)	•	•	•		•••	•
Inventor's signature		· · ·	Date	٠.	<u>.</u>	· · · ·		·	· ·
Residence	·····	 -	Citizer	ship					····
-278 Tolstoy-Lane				•					
Mailing Address						•	<u> </u>	•	
278 Tolstoy Lane, S	everna Park	, MD 21146	<u> </u>						
Full name of third joint invent	or (given name, f	amily name)				•	·	•	
Inventor's signature			Date				7. •.•	•	·
Residence			Citizen	ship .			٠.	•	·
Mailing Address			-,! `			<u> </u>		•	
Additional joint inventors or legal	representative(s) are	named on separat	ely numbered	sheets forms	PTO/SB/0	72Å or 02LR =	ttached k	nemetra .	
			ge 2 of 21						= l

• •	•	:	. 1	el a company	PTO/88/51 (07-03)
Lindar the Penanunik Raductio	n Act of 1005, no namens are	U.S. Patent a noticed to respond to a collection	od Tradamad Offic	use through 01/31/200 xx; U.S. DEPARTMEN	す ヘロ へんいいほりゅう
	ï .		i internation unite	Docket Number	er (Optional)
(REISSUE APPLICATION DI			i	н1709	1-0116
All errors corrected in this rel	ssus application arose v	Mthout any deceptive Intent	ion on the part	of the applicant.	
Note: To appoint a power of a	attorney, use form PTO/	\$B/81.	•		
Correspondence Address: Di	rect all communications	about the application to:			
	:	· · · · · · · · · · · · · · · · · · ·	. ;	• • • • •	• •
X Customer Number:	000128		Ĭ	٠.	
OR . L.	· · · · · · · · · · · · · · · · · · ·		1		
Firm or	···	:		:	· · · · · ·
Individual Name Address	· · · · · · · · · · · · · · · · · · ·				<u>,</u>
	·		<u> </u>	· · · · · · · · · · · · · · · · · · ·	
Address					
City		State		Zip	
Country					
Telephone		Fax	7		
I hereby declare that all state	menta madé herein of	my own knowledge are true	and that all s	tatements made	on Information
and belief are believed to I statements and the like so made false statements may jeope declaration is directed. Full name of sole or first investigations.	be true; and further the ade are punishable by fi rdize the validity of the	at these statements were ne and imprisonment, or bo e application, any patent i	made with the	ns knowledge the .S.C. 1001, and to	at willful false hat such willful
and belief are believed to I statements and the like so ma false statements may jeoper declaration is directed.	be true; and further the ade are punishable by fi rdize the validity of the	at these statements were ne and imprisonment, or bo e application, any patent i	made with the	ns knowledge the .S.C. 1001, and to	at willful false hat such willful
and belief are believed to I statements and the like so ma false statements may jeope declaration is directed. Full name of sole or first investance P. Davis inventors signature Residence	be true; and further the ade are punishable by fi rdize the validity of the	ast these statements were ne and imprisorment, or bo e application, any patent name) Date Citizenship	made with the	ns knowledge the .S.C. 1001, and to	at willful false hat such willful
and belief are believed to I statements and the like so ma false etatements may jeope declaration is directed. Full name of sole or first inventance P. Davis inventors signature Residence 1120 W. Aster Dr. Mailing Address	be true; and further the ade are punishable by findize the validity of the interference of the interferenc	ast these statements were ne and imprisorment, or bo e application, any patent in name) Date Citizenship USA	made with the	ns knowledge the .S.C. 1001, and to	at willful false hat such willful
and belief are believed to I statements and the like so may false statements may leoped declaration is directed. Full name of sole or first invertance P. Davis inventors signature Residence 1120 W. Aster Dr. Melling Address 1120 W. Aster Dr.	be true; and further the ade are punishable by findize the validity of the more (given name, family) Phoenix. AZ 8502	est these statements were ne and imprisorment, or bo e application, any patent liname) Date Citizenship USA	made with the	ns knowledge the .S.C. 1001, and to	at willful false hat such willful
and belief are believed to I statements and the like so may false statements may leoped declaration is directed. Full name of sole or first invertance P. Davis inventors signature Residence 1120 W. Aster Dr. Melling Address 1120 W. Aster Dr. Full name of second joint inventance T. Hyde	be true; and further the ade are punishable by findize the validity of the more (given name, family) Phoenix. AZ 8502	ast these statements were ne and imprisorment, or bo e application, any patent in name) Date Citizenship USA y name)	made with the	ns knowledge the .S.C. 1001, and to	at willful false hat such willful
and belief are believed to I statements and the like so may false statements may leoped declaration is directed. Full name of sole or first invertance P. Davis inventors signature Residence 1120 W. Aster Dr. Meiling Address 1120 W. Aster Dr. Full name of second joint inventors are second joint inventors.	be true; and further the ade are punishable by findize the validity of the more (given name, family) Phoenix. AZ 8502	part these statements were ne and imprisorment, or bo e application, any patent in name) Date Citizenship USA p name) Date Date Date	made with the	ns knowledge the .S.C. 1001, and to	at willful false hat such willful
and belief are believed to instalaments and the like so may false statements may jeopa deciaration is directed. Full name of sole or first invertible inventor's eignature. Residence 1120 W. Aster Dr. Mailing Address 1120 W. Aster Dr. Full name of sole or first inventor's eignature. Mailing Address 1120 W. Aster Dr. Full name of sole or full inventors eignature. Residence	be true; and further the ade are punishable by findize the validity of the more (given name, family) Phoenix. AZ 8502	ist these statements were ne and imprisorment, or bo e application, any patent in name) Date Citizenship USA p name) Date Citizenship Citizenship	made with the	ns knowledge the .S.C. 1001, and to	at willful false hat such willful
and belief are believed to statements and the like so may false statements may jeoped declaration is directed. Full-name of sole or first inventance P. Davis inventors algusture Residence 1120 W. Aster Dr. Mailing Address 1120 W. Aster Dr. Full name of second joint inventance T. Hyde inventors algusture Residence 278 Tolstoy Lane Mailing Address	be true; and further the ade are punishable by findize the validity of the interest of the int	part these statements were ne and imprisonment, or be application, any patent in name) Date Citizenship USA Pare Citizenship USA Citizenship USA	made with the	ns knowledge the .S.C. 1001, and to	at willful false hat such willful
and belief are believed to statements and the like so may false statements may leoped declaration is directed. Full name of sole or first invertance P. Davis inventors signature Residence 1120 W. Aster Dr. Melling Address 1120 W. Aster Dr. Full name of second joint inventors signature Residence 2.78 Tolstov Lane Melling Address 2.78 Tolstov Lane 8.50	be true; and further the ade are punishable by findize the validity of the more (given name, family enter (given name, family every a Park, MD)	part these statements were ne and imprisorment, or bo e application, any patent land. Date Citizenship USA Pare Citizenship USA 20 Citizenship USA 21146	made with the	ns knowledge the .S.C. 1001, and to	at willful false hat such willful
and belief are believed to statements and the like so may false statements may jeopal declaration is directed. Full name of sole or first invertance P: Davis inventors signature Residence 1120 W. Aster Dr. Meiling Address 1120 W. Aster Dr. Full name of second joint inventors signature Residence 278 Tolstov Lane Mailing Address 278 Tolstov Lane. S. Full name of third joint inventors	be true; and further the ade are punishable by findize the validity of the more (given name, family enter (given name, family every a Park, MD)	ast these statements were ne and imprisorment, or bo e application, any patent in mame) Date Cittzenship USA 29 y name) Date Cittzenship USA 21146 ame)	made with the	ns knowledge the .S.C. 1001, and to	at willful false hat such willful
and belief are believed to statements and the like so may false statements may leoped declaration is directed. Full name of sole or first invertance P. Davis inventors signature Residence 1120 W. Aster Dr. Melling Address 1120 W. Aster Dr. Full name of second joint inventors signature Residence 2.78 Tolstov Lane Melling Address 2.78 Tolstov Lane 8.50	be true; and further the ade are punishable by findize the validity of the more (given name, family enter (given name, family every a Park, MD)	part these statements were ne and imprisorment, or bo e application, any patent land. Date Citizenship USA Pare Citizenship USA 20 Citizenship USA 21146	made with the	ns knowledge the .S.C. 1001, and to	at willful false hat such willful
and belief are believed to statements and the like so may false statements may jeopal declaration is directed. Full name of sole or first invertance P: Davis inventors signature Residence 1120 W. Aster Dr. Meiling Address 1120 W. Aster Dr. Full name of second joint inventors signature Residence 278 Tolstov Lane Mailing Address 278 Tolstov Lane. S. Full name of third joint inventors	be true; and further the ade are punishable by findize the validity of the more (given name, family enter (given name, family every a Park, MD)	ast these statements were ne and imprisorment, or bo e application, any patent in mame) Date Cittzenship USA 29 y name) Date Cittzenship USA 21146 ame)	made with the	ns knowledge the .S.C. 1001, and to	at willful false hat such willful
and belief are believed to statements and the like so may false statements may jeopa declaration is directed. Full name of sole or first invertible inventors signature. Residence 1120 W. Aster Dr. Mailing Address 1120 W. Aster Dr. Full name of second joint inventors signature. Residence 278 Tolstov Tane Mailing Address 238 Tolstov Lane. S. Full name of third joint inventors signature.	be true; and further the ade are punishable by findize the validity of the more (given name, family enter (given name, family every a Park, MD)	ast these statements were ne and imprisorment, or be application, any patent in name) Date Clitzenship USA 29 y name) Date Clitzenship USA 21146 ame)	made with the	ns knowledge the .S.C. 1001, and to	at willful false hat such willful

[Page 2 of 2]